



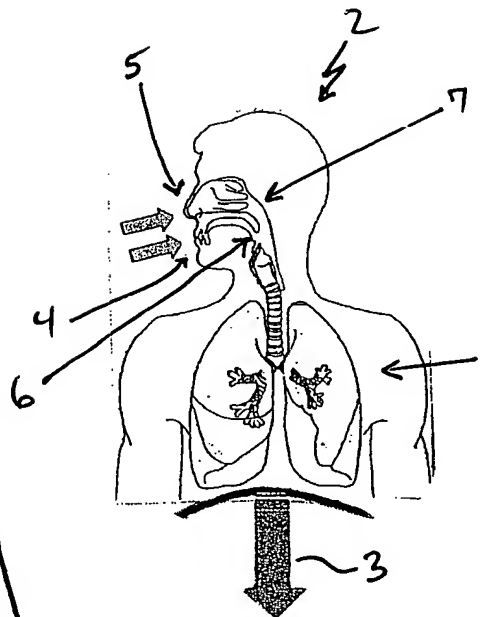
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REPLACEMENT DRAWING  
12/14/2001

### Inhalation

AIR ENTERS THE  
NOSE AND MOUTH

THE CHEST ELASTICALLY  
DEFORMS

THE DIAPHRAGM IS  
FORCEFULLY LOWERED



FLOW RESISTANCE  
IS ENCOUNTERED  
IN THE NASOPHARYNX  
AND THE  
OROPHARYNX

NEGATIVE PRESSURE  
OCCURS IN THE  
LUNGS

FIG. 1



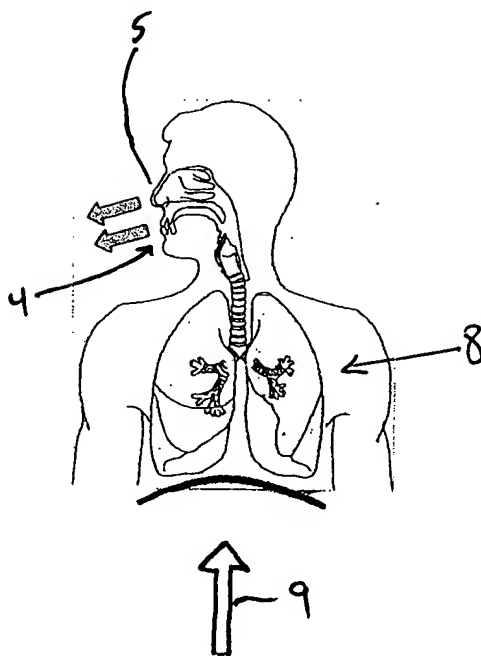
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## Exhalation

AIR EXITS THE  
NOSE AND MOUTH

THE CHEST RETURNS  
TO ITS UNDEFORMED  
POSITION

THE DIAPHRAGM IS  
RELAXED (PASSIVE)



FLOW RESISTANCE  
IS ENCOUNTERED  
IN THE  
NASOPHARYNX AND  
THE OROPHARYNX

POSITIVE PRESSURE  
OCCURS IN THE  
LUNGS

FIG. 2

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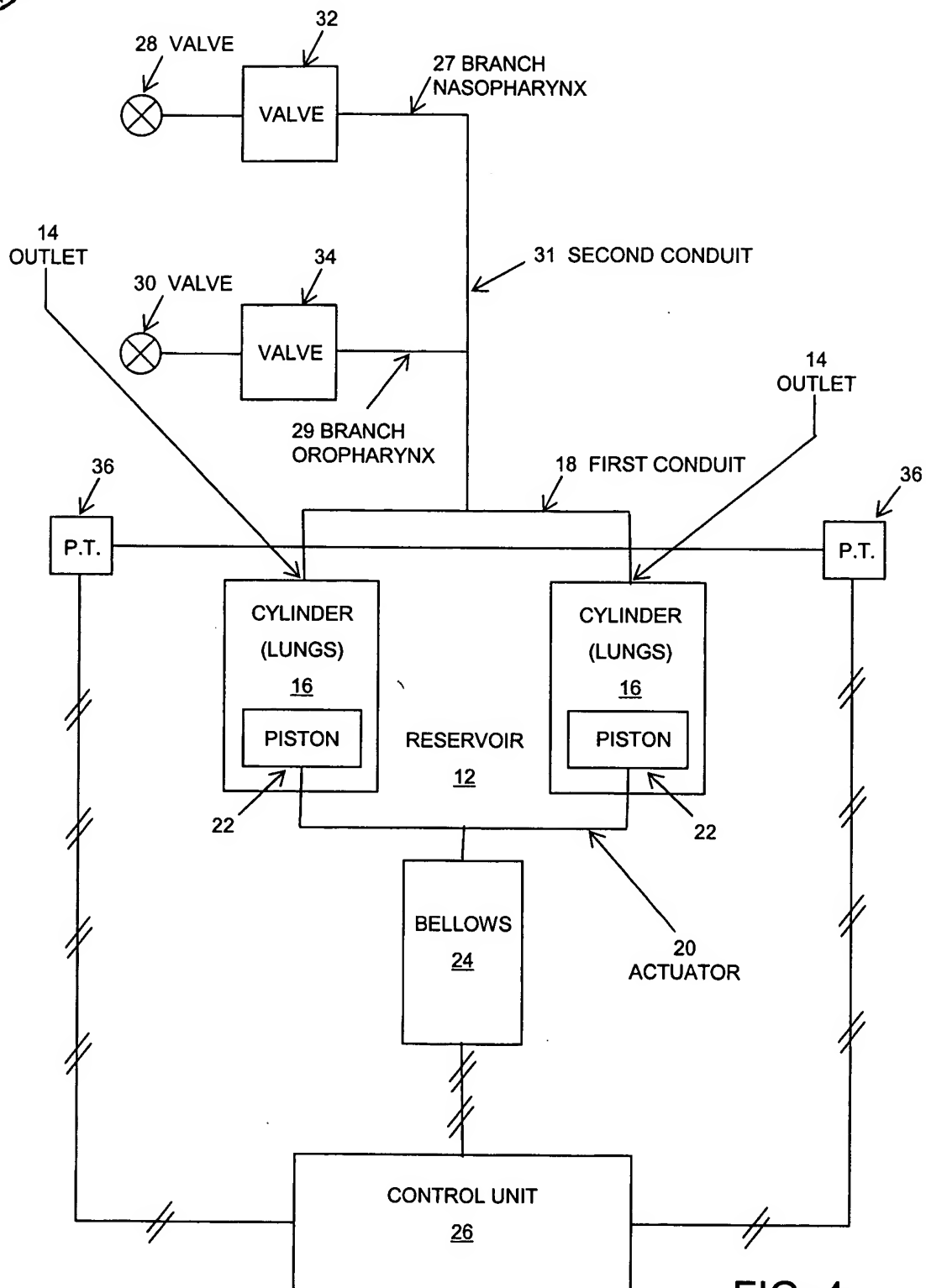


FIG. 4



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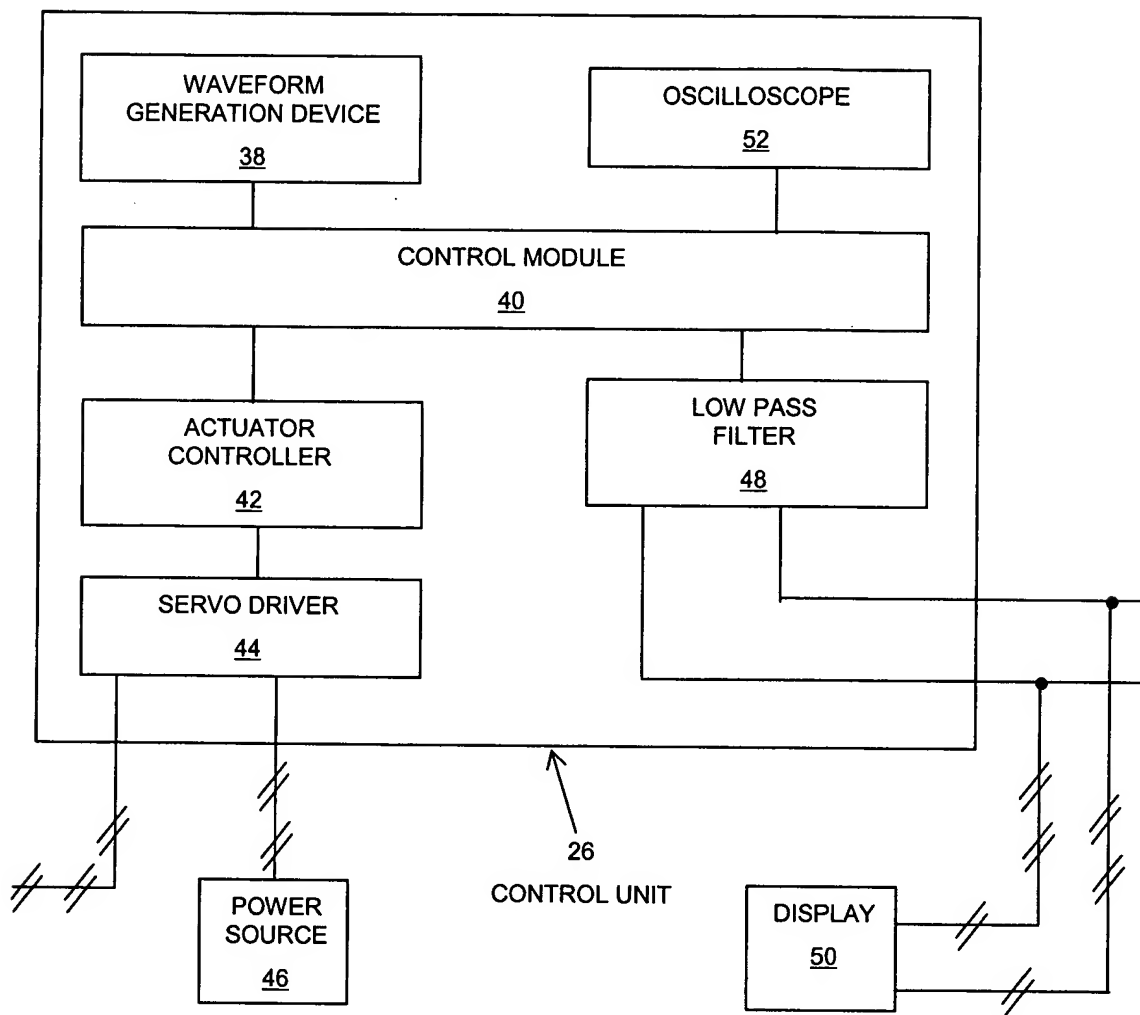
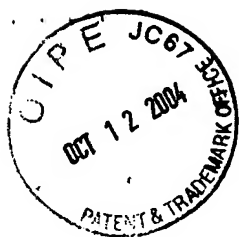


FIG. 5



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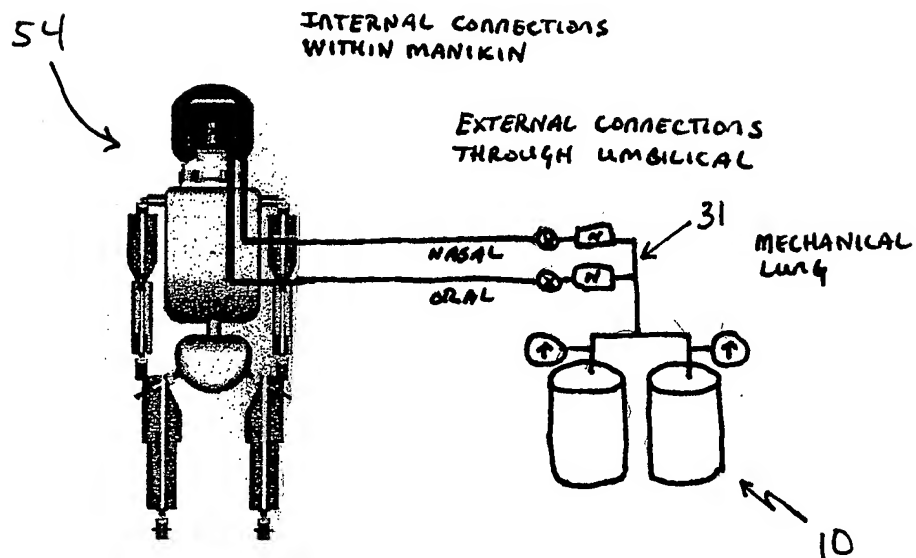


FIG. 8